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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/642,632	08/19/2003	Akira Tanaka	500.43031X00	3748
20457	7590 09/14/2006	EXAMINER		
	LI, TERRY, STOUT & I SEVENTEENTH STRI	KALAFUT,	KALAFUT, STEPHEN J	
SUITE 1800			ART UNIT	PAPER NUMBER
ARLINGTON	, VA 22209-3873		1745	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
		10/642,632	TANAKA, AKIRA
	Office Action Summary	Examiner	Art Unit
•		Stephen J. Kalafut	1745
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the	correspondence address
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLEMENTER IS LONGER, FROM THE MAILING Desions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period for to reply within the set or extended period for reply will, by statuted the process of the control of the mailing design of the control of the mailing of the control of the con	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tinded to the second will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status			
2a)⊠	Responsive to communication(s) filed on <u>07 J</u> This action is FINAL . 2b) Thi Since this application is in condition for alloware closed in accordance with the practice under	s action is non-final. ance except for formal matters, pr	
D'14!	·	= x parto Quayro, 1000 0.0. 11, 4	00 0.0. 210.
•	on of Claims		
5)⊠ 6)⊠ 7)□	Claim(s) 1.2 and 4-18 is/are pending in the ap 4a) Of the above claim(s) is/are withdra Claim(s) 1.2.4-13.15 and 16 is/are allowed. Claim(s) 14.17 and 18 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	awn from consideration.	
Applicati	on Papers	•	
9) <u></u>	The specification is objected to by the Examina The drawing(s) filed on <u>07 July 2006</u> is/are: a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E)⊠ accepted or b)⊡ objected to e drawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).
Priority u	ınder 35 U.S.C. § 119	•	
12)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority application from the International Bureasee the attached detailed Office action for a list	nts have been received. Its have been received in Applicatority documents have been received in Applicatority documents have been received.	ion No ed in this National Stage
Attachment			((DTO 442)
2) Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 14, 17 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Dristy et al. (US 6,926,988), for reasons of record.

Claims 1, 2, 4-13, 15 and 16 are allowed. The allowable subject matter of original claim 3 and now recited by claim 1, and thus also of the claims depending thereon.

Applicant's arguments filed 07 July 2006 have been fully considered but they are not persuasive.

Applicant argues that Dristy *et al.* do not disclose "the first and second contact members being prevented from contacting each other within the head surface area when viewed in the pressing direction", the pressing member having a "head surface area" extending in a transverse direction. This is not persuasive because the pressing member (64) of Dristy *et al.* includes a top surface that directly contacts a contact member (60). This top surface is the upper surface of the pressing member (60), as seen in figure 3, and extends in a transverse direction, which is left to right, thus corresponding to the present "head surface". It should be noted that figure 3 is an exploded view, where the members are shown spaced from each other, whereas in reality, the various components would be in physical contact. The two contact members (56, 60) are on opposite sides of the membrane electrode assembly (51, 52, 53), and are thus "prevented from contacting each other", not just within the head surface area as seen from the pressing direction

(up and down), but over their entire bodies. Even if one were to take the outer frames (57, 67) to be part of a respective contact member, these frames contact each other outside of the periphery of the pressing member, and thus outside of the "head surface area". Regarding the allegation that Dristy *et al.* is "silent" about these features, characteristics reasonably inferred from the drawings are part of the legitimate disclosure of that patent.

Applicant argues that Dristy et al. do not disclose the anode and cathode side members being connected to each other through "supporting portions on the outer periphery of the membrane electrode assembly and urged toward each other between the membrane electrode assembly and each of the supporting portions", as required by claim 17. The frames (57, 67) of Dristy et al. would correspond to the present "supporting portions", while the flow field support members (56, 60) would correspond to the present "anode side member" and "cathode side member". The frames hold the flow field support members in place (column 4, line 66 through column 5, line 2), and thus form support portions for these members. It should be noted that the present specification and drawings, used to define the present claims, allow for the support portions to be distinct members, and not integral with the rest of the "side members", as seen in the embodiment in present figure 6, where the support portion (11) is a component separate and distinct from the side members (5, 6). The frames of Dristy et al. are in contact with the outer periphery of the membrane (51) and thus are connected to each other "on the outer periphery of the membrane electrode assembly", the term "connected" not seen requiring direct contact. Because the pressure pad (64) is held in position by a frame (67), it would extend across the adjacent electrode, and thus apply pressure between the membrane electrode assembly and the frame, as well as within the area of the electrode.

Applicant argues that Dristy *et al*. do not disclose clamping members as recited in claim 18, and that the frames thereof merely retain flow field support members within the flow fields. This is not persuasive because if there were no clamping members, the components of the fuel cell of Dristy *et al*. would not be held together. Nothing would balance against the force exerted by the pressing member (64).

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen J. Kalafut whose telephone number is 571-272-1286. The examiner can normally be reached on Mon-Fri 8:00 am-4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

sjk

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